

Summary

Builder and leader. Has *broad* knowledge of modern backend technologies and people. Has *deep* understanding of architecture, high performance and security.

Experience

- since 2020 - Huawei, [Cloud](#) business unit. Principal engineer.
Working on security *inside* of the cloud. Team size: 7.
 - First engineer on a team. Interviewed 30+ candidates, chose the best.
 - Learned what Chinese colleagues have, which processes they follow, which tools they use.
 - Gathered requirements to SOAR from zero, developed domain model. [My explanation](#) of what SOAR is.
 - Architected SOAR for internal (Huawei security operations center) and external (Cloud tenants) users.
 - Established development workflows and rules.
 - Deployed Kubernetes cluster for the team (using [Kubespray](#)). Connected it to Gitlab CI.
 - Built playbook subsystem consisting of 5 microservices.
 - Represented the team in roadmap negotiations with Chinese customers and teams.
 - Buzzwords: DDD, Java, Spring + Spring Boot, Spock, REST, OpenAPI/AsyncAPI, Kubernetes, Gitlab CI, Helm, [Jib](#), Openwhisk, Flowable (BPMN engine), PostgreSQL, Apache Kafka, ANTLR.
- 2019 - 2020 - [Positive Technologies](#). Senior programmer.
Cybersecurity company. Working on security threat gathering and filtering. Team size: 15.
 - Building [threat intelligence platform](#). Integrated third-party threat intelligence feeds.
 - Fixed a huge chunk of tech debt. Increased write/read throughput by two orders of magnitude.
 - Helped the team to release the platform on tight schedule.
 - Buzzwords: DDD, Go, REST, go-chi, Python 3, pytest, Ansible, docker-compose, MinIO, PostgreSQL.
- 2017 - 2020 – [Novosibirsk State University](#). Assistant professor, invited expert.
 - Taught 4 separate courses on [operating systems](#), [parallel programming](#), computing history, [security](#).
- 2015 - 2019 – [2GIS](#). Senior programmer.
The company does web and mobile applications with directory, map and navigator. Working on backend projects, supporting the applications. Team size: 10.
 - Maintained a CDN delivering map data to 20 millions of users. Automated operator workflow so updated maps could be delivered in one click daily. The updates were monthly before that. Improved Python code quality and performance a lot. The service could churn a task for a week, the run time was brought to two hours.
 - Built a fault-tolerant cross datacenter pipeline based on [Apache Kafka](#). It replaced an old single datacenter ZeroMQ-based pipeline. Made the transition seamless for consumers. The pipeline was used to deliver business statistics from users.
 - Brought a new life to a dying Python-based geopositioning service. It was slow, hard to scale, and fault intolerant. Rewrote and stabilized it using [asyncio](#). As the load increased with years, rewrote it in Go. Now it handles heavy load on commodity hardware.
 - Created and executed several long-term team roadmaps. Decomposed, estimated and prioritized hundreds of tasks. Actively participated in sprint planning and process improvement. Coordinated cross-team feature development.
 - Buzzwords: Python 3, aiohttp, Falcon, mypy, pytest, SQLAlchemy, SQLite, Go, C++14, rdafka, RapidJSON, Scala, ScalaTest, Vue.js, Apache Kafka, ZeroMQ, Apache Thrift, Redis, Tarantool, Zookeeper, PostgreSQL, ClickHouse, Elasticsearch, syslog, apt, LXD, Docker, Ansible, Jenkins, Grafana, Zabbix.

Education

- 2009 – 2015. [Novosibirsk State University](#). Master's degree in Information Technology. Specialized in [parallel computing](#) and systems programming.